

Application No.: 10/658,985

Amendment and Response dated: August 16, 2006

Reply to Office Action dated: May 16, 2006

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AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method, comprising:
placing a first micro-actuator part in a molding of a fixture;
coupling a second micro-actuator part to the first micro-actuator part; and
using the fixture to maintain a structure of the first micro-actuator part and the second micro-actuator part wherein the first micro-actuator part is a micro-actuator frame and wherein the molding is a shaped protrusion that matches the interior of the first micro-actuator frame.
2. (Original) The method of claim 1, further comprising holding the first micro-actuator part in place with an embedded vacuum nozzle system.
3. (Currently Amended) The method of claim 1, further comprising positioning the second micro-actuator part relative to the first micro-actuator part for coupling using a first mobile vacuum nozzle ~~system~~ system.
4. (Cancelled)
5. (Currently Amended) The method of ~~claim 4~~, claim 1, wherein the micro-actuator frame is metal.
6. (Cancelled)

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7. (Currently Amended) The method of ~~claim 4~~, claim 1, wherein the second micro-actuator part is a first strip of piezoelectric material.
8. (Original) The method of claim 7, further comprising positioning a second strip of piezoelectric material with a second mobile vacuum nozzle system.
9. (Original) The method of claim 7, further comprising holding a second strip of piezoelectric material with the first mobile vacuum nozzle system.
- 10-11 (Cancelled)
12. (Currently Amended) The method of ~~claim 10~~, claim 1, wherein the second micro-actuator part is a micro-actuator frame.
13. (Original) The method of claim 12, wherein the micro-actuator frame is metal.
14. (Original) The method of claim 1, further comprising maintaining the structure of multiple frames simultaneously with multiple moldings.

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15. (Original) The method of claim 1, further comprising observing the fixture with a camera system.

16. (Cancelled)

17. (Currently Amended) The method of ~~claim 16~~, claim 1, further comprising curing the adhesive is cured with ultraviolet radiation.

18-49 (Cancelled)

50. (New) A method, comprising:
placing a first micro-actuator part in a molding of a fixture;
coupling a second micro-actuator part to the first micro-actuator part; and
using the fixture to maintain a structure of the first micro-actuator part and the second micro-actuator part wherein the molding is a shaped indentation that matches the exterior of the first micro-actuator part, the second micro-actuator part, and a third micro-actuator part.

51. (New) The method of claim 50, further comprising holding the first micro-actuator part in place with an embedded vacuum nozzle system.

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52. (New) The method of claim 50, further comprising positioning the second micro-actuator part relative to the first micro-actuator part for coupling using a first mobile vacuum nozzle system.
53. (New) The method of claim 50, wherein the second micro-actuator part is a first strip of piezoelectric material.
54. (New) The method of claim 50, wherein the first micro-actuator part is a first strip of piezoelectric material and the third micro-actuator part is a second strip of piezoelectric material.
55. (New) The method of claim 50, wherein the second micro-actuator part is a micro-actuator frame.
56. (New) The method of claim 55, wherein the micro-actuator frame is metal.
57. (New) The method of claim 50, further comprising maintaining the structure of multiple frames simultaneously with multiple moldings.
58. (New) The method of claim 50, further comprising observing the fixture with a camera system.

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59. (New) A method, comprising:

placing a first micro-actuator part in a molding of a fixture;

coupling a second micro-actuator part to the first micro-actuator part; and

using the fixture to maintain a structure of the first micro-actuator part and the second micro-actuator part further comprising applying an adhesive between the first micro-actuator part and the second micro-actuator part.

60. (New) The method of claim 59, further comprising holding the first micro-actuator part in place with an embedded vacuum nozzle system.

61. (New) The method of claim 59, further comprising positioning the second micro-actuator part relative to the first micro-actuator part for coupling using a first mobile vacuum nozzle system

62. (New) The method of claim 59, wherein the second micro-actuator part is a first strip of piezoelectric material.

63. (New) The method of claim 62, further comprising positioning a second strip of piezoelectric material with a second mobile vacuum nozzle system.

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64. (New) The method of claim 59, further comprising holding a second strip of piezoelectric material with the first mobile vacuum nozzle system.
65. (New) The method of claim 59, wherein the second micro-actuator part is a micro-actuator frame.
66. (New) The method of claim 59, wherein the micro-actuator frame is metal.
67. (New) The method of claim 59, further comprising maintaining the structure of multiple frames simultaneously with multiple moldings.
68. (New) The method of claim 59, further comprising observing the fixture with a camera system.